



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Amarr Garage Doors
125 Carriage Court
Winston-Salem, NC 27105

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model 2400 & 2000 Steel Sectional Garage Doors up to 16'-2" Wide

APPROVAL DOCUMENT: Drawing No. IBC-2416-180-26-I, titled "Model 2400 (24 GA), Model 2000 (20 GA)", sheets 1 through 3 of 3, dated 05/30/2013, prepared by Amarr Garage Doors, signed and sealed by Tomas L. Shelmerdine, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, 3800 Greenway Circle, Lawrence, Kansas, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
2/5/14

NOA No 13-1113.02
Expiration Date: February 13, 2019
Approval Date: February 13, 2014
Page 1

Amarr Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **IBC-2416-180-26-I**, titled "Model 2400 (24 GA), Model 2000 (20 GA)", sheets 1 through 3 of 3, dated 05/30/2013, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E.

B. TESTS

1. Addendum to Test Report No. **ATLNC 0618.01-13** prepared by American Test Lab, Inc., dated 08/19/2013, signed and sealed by David W. Johnson, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Tensile Test per ASTM E8
5) Forced Entry Resistance Test per FBC, TAS 202-94
along with marked-up drawings and installation diagram of 16'-2"x 8' 24 ga steel garage door Model 2400, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0618.01-13**, dated 07/10/2013, signed and sealed by David W. Johnson, P.E.
3. Test report on Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments per ASTM D1654 & ASTM B117, prepared by Architectural Testing, Inc., Test Report No. **C5463.01-106-18**, dated 04/03/2013, signed and sealed by Gary T. Hartman, P.E. *"Submitted under NOA # 13-0503.06"*

C. CALCULATIONS

1. Anchor calculations prepared by Structural Solutions, P.A., dated 08/20/2013, signed and sealed by Thomas L. Shelmerdine, P.E.

D. QUALITY ASSURANCE

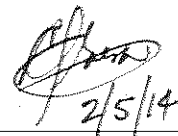
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

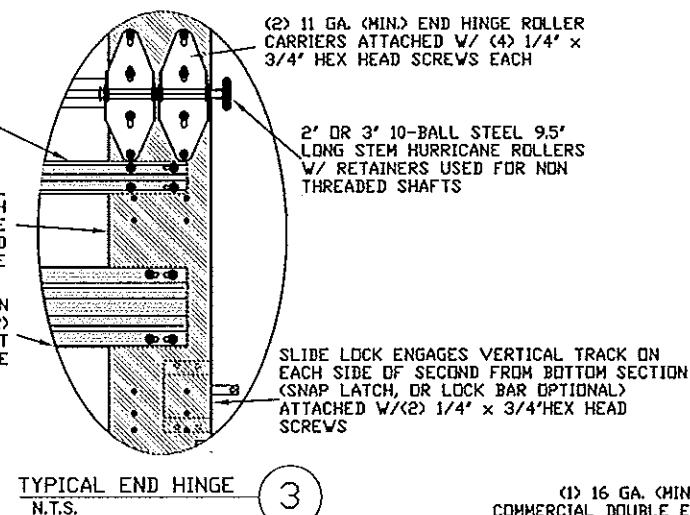
1. Statement letter of code conformance to 2010 FBC and no financial interest issued by Structural Solutions, P.A., dated 08/20/2013, signed and sealed by Thomas L. Shelmerdine, P.E.



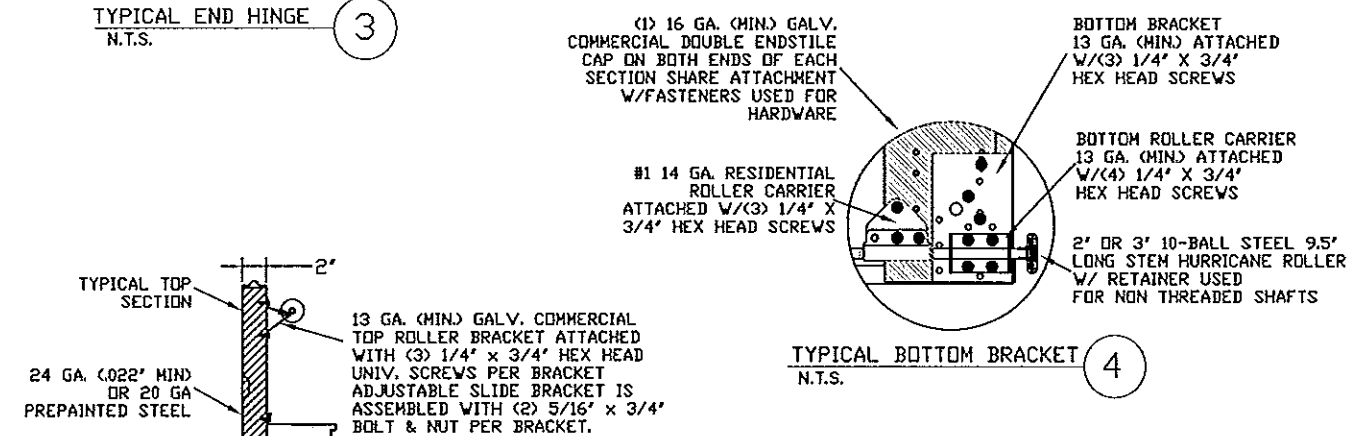
2/5/14

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 13-1113.02

Expiration Date: February 13, 2019
Approval Date: February 13, 2014



Approved as complying with the
Florida Building Code
Date 02/13/2014
NOA# 13-1113.02
Miami Dade Product Control
By [Signature]



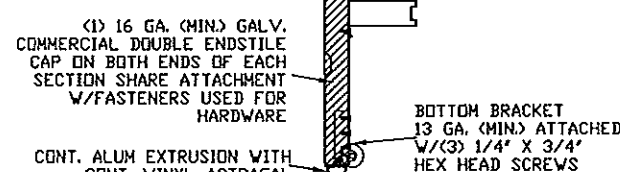
(1) 3" X 20 GA. STRUT BELOW HINGES
 ON EACH INTERMEDIATE AND BOTTOM
 SECTION ATTACHED W/(2)
 1/4" X 3/4" HEX HEAD SCREWS AT
 EACH END AND CENTER STILE

(1) 5.5" X 18 GA. R-TRUSS AT CENTER
 OF EACH SECTION ATTACHED W/(2)
 1/4" X 3/4" HEX HEAD SCREWS AT
 EACH END AND CENTER STILE

11 GA. (MIN.) END HINGE ROLLER
 CARRIERS ATTACHED W/ (4) 1/4"
 X 3/4" HEX HEAD SCREWS EACH
 2' OR 3' 10-BALL STEEL 9.5' LONG

TYPICAL
 INTERMEDIATE
 SECTION

TYPICAL
 BOTTOM
 SECTION



REV	DESCRIPTION OF REVISIONS	DATE	BY

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29432)

FL

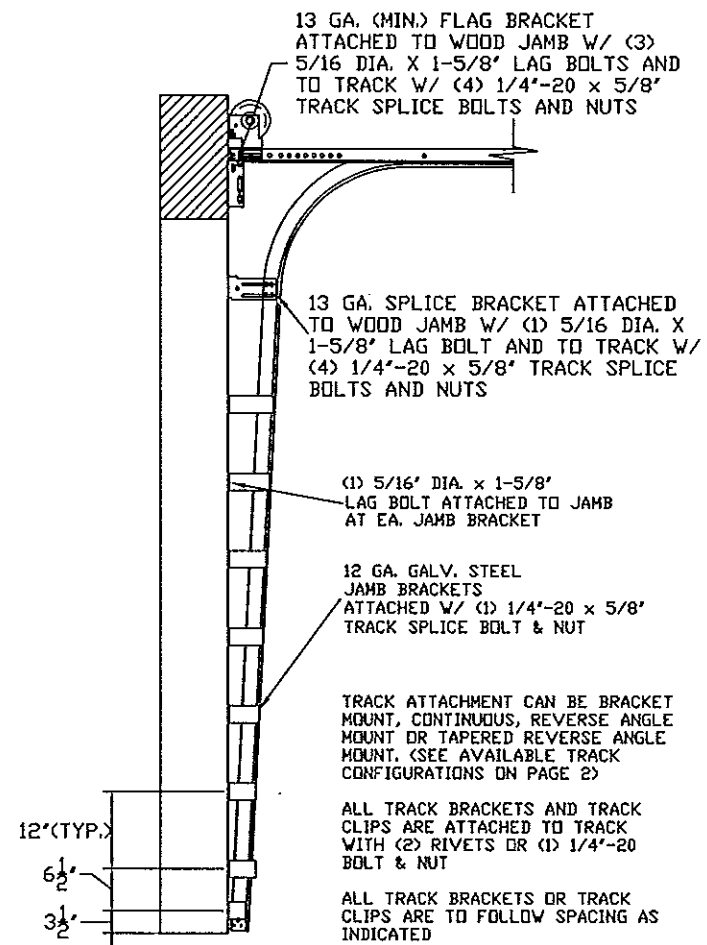
dlba Structural Solutions, PA (FL Firm #29432)
89921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

165 CARRIAGE COURT WINSTON-SALEM, NC. 27105 WWW.AMARR.COM

MODEL 2400 (24 GA)
MODEL 2000 (20 GA)

SIZE	DRAWN BY RLR	DATE 5/30/13	DRAWING NUMBER IEC-2416-180-26-1
B	CHECKED BY RLR	DATE 5/30/13	
			SHEET 1 OF 3



TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 1 ON PAGE 3

TABLE 1

DOOR HEIGHT		TRACK ATTACHMENT																						TYPICAL SPLICE	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V		W
7'	0"	3.5"	10"	22"	34"	46"	58"	70"																	76"
7'	6"	3.5"	10"	22"	34"	46"	58"	70"																	82"
8'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"																88"
8'	6"	3.5"	10"	22"	34"	46"	58"	70"	82"																94"
9'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"															100"
9'	6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"															106"
10'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"														112"
11'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"													124"
12'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"												136"
13'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"											148"
14'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"										160"
15'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"									172"
16'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"								184"
17'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"							196"
18'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"						208"
19'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"					220"
20'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"				232"
21'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"			244"
22'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"		256"
23'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	268"
24'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	280"

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Miami Dade Product Control
By [Signature]

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZES
WIDTH 16'-2
HEIGHT 24'

DESIGN LOADS
+45.0 PSF
-52.0 PSF

LARGE MISSILE
IMPACT
RESISTANCE

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, P.A. (FL Firm #29412)
5921-G W. Friendly Ave., Greensboro, NC 27410

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MODEL 2400 (24 GA)
MODEL 2000 (20 GA)

SIZE	DRAWN BY	RLR	DATE	5/30/13	DRAWING NUMBER IEC-2416-180-26-1
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SHEET 3 OF 3